

## **IN THE CLAIMS**

Please cancel claims 9-17 without prejudice as to the subject matter therein.

Please amend claims 1, 3, 6, and 7 as follows.

Please add claims 20-22.

1. (Currently Amended) A method for identifying the content of a file in a network environment, said network environment comprising at least one local computing device linked to a remaining part of the network environment including a central infrastructure and, the method comprising

receiving a new file on said local computing device;

in response to receiving the new file, the local computing device:

calculating a reference value for the new file using a one-way-function;

and

transmitting said calculated reference value to said central infrastructure;

in response to receiving the reference value, the central infrastructure:

comparing said calculated reference value with reference values

previously stored within the remaining part of the network environment;

after responsive to said comparing:

if a match between the calculated reference value and a previously stored reference value is found:

deciding that the content of the new file is already identified; ~~if a~~

~~match between said calculated reference value and a~~

~~previously stored reference value is found and~~

retrieving corresponding content attributes; ~~or~~

if a match between the calculated reference value and any of the

previously stored reference values is not found:

deciding that the content of the new file is not yet identified; ~~if no~~

~~match between said calculated reference value and any of~~

~~the previously stored reference values is found, followed by sharing~~  
enabling the new file on the local computing device to ~~said~~ be  
remotely accessed by the central infrastructure; and ~~said~~  
the central infrastructure identifying the content of ~~said~~ the new  
file by remotely identifying the content over the network  
environment ~~without the new file being conveyed to the~~  
central infrastructure, thereby determining content  
attributes corresponding with the content of the new file  
and storing a copy of said content attributes ~~at the central~~  
infrastructure;  
after deciding, triggering an action on said local computing device in  
accordance with said content attributes;  
wherein said triggering an action on said local computing device in  
accordance with said content attributes comprises;  
identifying a different version of the new file on the remaining part  
of the network environment, the new file representing a  
corrupted version of a given file and the different version  
representing an uncorrupted version of the given file; and  
replacing the new file on the local computing device with the  
identified different version of the new file.  
~~replacement of the new file on the local computing device with a~~  
~~different version of said new file restored from the~~  
~~remaining part of the network environment.~~

2. (Original) A method according to claim 1, wherein said triggering an action on said local computing device in accordance with said content attributes is performed after transmitting the content attributes corresponding to the new file to the local computing device.

3. (Currently Amended) A method according to claim 1 wherein said identifying the

content of said new file comprises ~~one or more of the group of~~ scanning for viruses; scanning for adult content; scanning for Self Promotional Advertising Messages and scanning for copyrighted information, using a scanning means installed on said central infrastructure.

4. (Previously Presented) A method according to claim 1, furthermore comprising storing a copy of the new file on the central infrastructure.

5. (Cancelled).

6. (Currently Amended) A non-transitory computer readable storage medium comprising program instructions ~~for executing the method of claim 1 when executed on a network.~~  
executable by a processor to:

receive a new file on said local computing device;

in response to receiving the new file, cause the local computing device to:

calculate a reference value for the new file using a one-way-function; and

transmit said calculated reference value to said central infrastructure;

in response to receiving the reference value, cause the central infrastructure to

compare said calculated reference value with reference values previously

stored within the remaining part of the network environment;

responsive to said comparing:

if a match between the calculated reference value and a previously stored  
reference value is found:

decide that the content of the new file is already identified; and

retrieve corresponding content attributes;

if a match between the calculated reference value and any of the  
previously stored reference values is not found:

decide that the content of the new file is not yet identified;

enable the new file on the local computing device to be remotely  
accessed by the central infrastructure; and

cause the central infrastructure to identify the content of the new file by remotely identifying the content over the network environment without the new file being conveyed to the central infrastructure, thereby determining content attributes corresponding with the content of the new file and storing a copy of said content attributes at the central infrastructure;

after deciding, trigger an action on said local computing device in accordance with said content attributes;

wherein said triggering an action on said local computing device in accordance with said content attributes comprises:

identifying a different version of the new file on the remaining part of the network environment, the new file representing a corrupted version of a given file and the different version representing an uncorrupted version of the given file; and replacing the new file on the local computing device with the identified different version of the new file.

7. (Currently Amended) A system for identifying the content of a file in a network environment, said network environment comprising at least one local computing device linked to a remaining part the network environment which includes a central infrastructure and, said remaining part including a stored database wherein:

the local computing device is configured to:

receive a new file;

in response to receiving the new file:

calculate a reference value for the new file using a one-way-function;

and

transmit said calculated reference value to said central infrastructure;

wherein in response to receiving the reference value the central infrastructure is configured to:

compare said calculated reference value with previously stored  
reference values from the database;  
responsive to said compare:  
if a match between the calculated reference value and a previously stored  
reference value is found:  
decide ~~whether~~ that the content of the new file is already identified;  
and  
retrieve corresponding attribute values;  
~~based on comparison of said calculated reference value and reference~~  
~~values previously stored within the remaining part;~~  
if a match between the calculated reference value and any of the  
previously stored reference values is not found:  
decide that the content of the new file is not yet identified;  
enable the new file on the local computing device to be remotely  
accessed by the central infrastructure; and  
the central infrastructure identifying the content of the new file by  
remotely identifying the content over the network  
environment without the new file being conveyed to the  
central infrastructure, thereby determining content  
attributes corresponding with the content of the new file  
and storing a copy of said content attributes at the central  
infrastructure;  
after deciding, triggering an action on said local computing device in  
accordance with said content attributes;  
wherein said triggering an action on said local computing device in  
accordance with said content attributes comprises:  
identifying a different version of the new file on the remaining part  
of the network environment, the new file representing a  
corrupted version of a given file and the different version  
representing an uncorrupted version of the given file; and

replacing the new file on the local computing device with the  
identified different version of the new file.

~~remotely identify the content of the new file over the network and assign content  
attributes if the new file has not been identified yet and store said  
content attributes within the remaining part; and  
trigger an action on said local computing device in accordance with content  
attributes for said new file;  
wherein triggering said action on said local computing device in accordance with  
said content attributes comprises replacement of the new file on the  
local computing device with a different version of said new file  
restored from the remaining part of the network environment.~~

8. (Previously Presented) A system according to claim 7 wherein the central infrastructure is further configured to store a copy of the new file within the remaining part.

9-17. (Cancelled).

18. (Cancelled).

19. (Canceled).

20. (New) The method according to claim 1, wherein said identifying the content of said new file comprises one or more of the group of scanning for adult content, scanning for Self Promotional Advertising Messages and scanning for copyrighted information.

21. (New) The computer readable storage medium according to claim 6, wherein said identifying the content of said new file comprises one or more of the group of scanning for adult content, scanning for Self Promotional Advertising Messages and scanning for copyrighted information.

22. (New) The system according to claim 7, wherein said identifying the content of said new file comprises one or more of the group of scanning for adult content, scanning for Self Promotional Advertising Messages and scanning for copyrighted information.